

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|---|---|------------------|---------|------------------|
| L1 | 100022 | (acoustic\$3 or sonic\$4 or sound\$1) near10 (sens\$4 or detect\$4 or respond\$4 or responsive) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 18:54 |
| L2 | 44 | L1 and (water same (ice or icing or ice-buil\$7)).ti,ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 18:50 |
| L3 | 13 | 2 and ((only near3 water) or (only near3 (ice or icing))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 18:53 |
| L4 | 292 | (sens\$4 or determin\$4 or discriminat\$4) near15 ((only near3 water) or (only near3 (ice or icing))) and water and (ice or icing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 18:57 |
| L5 | 5 | 1 and 4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 18:57 |
| L6 | 5 | 5 not 3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 18:54 |
| L7 | 456 | (sens\$4 or determin\$4 or discriminat\$4 or differen\$7 or distinguish\$4) near15 ((only near3 water) or (only near3 (ice or icing))) and water and (ice or icing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 18:57 |
| L8 | 8 | 1 and 7 not 3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 18:58 |
| S1 | 10299 | (sens\$4 or detect\$4 or monito\$4) near10 (ice or icing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 13:42 |
| S2 | 14118 | cavit\$3 and (acoustic\$3 or sonic\$4 or sound\$1) same (sens\$4 or detect\$4 or respond\$4 or responsive) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 14:08 |

| | | | | | | |
|-----|--------|--|---|----|-----|------------------|
| S3 | 81 | S1 and S2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 13:41 |
| S4 | 10 | (sens\$4 or detect\$4 or monito\$4) near10 (ice or icing).ti,ab. and S3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 14:08 |
| S5 | 100022 | (acoustic\$3 or sonic\$4 or sound\$1) near10 (sens\$4 or detect\$4 or respond\$4 or responsive) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:02 |
| S6 | 10 | (sens\$4 or detect\$4 or monito\$4) near10 (ice or icing).ti,ab. and S4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:39 |
| S7 | 83 | (sens\$4 or detect\$4 or monito\$4) near10 (ice or icing).ti,ab. and S5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 15:37 |
| S8 | 4751 | (acoustic\$3 or sonic\$4 or sound\$1) same (mass or densit\$3) near3 (higher or greater or increas\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:38 |
| S9 | 0 | S7 and S8 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 14:10 |
| S10 | 698976 | (mass or densit\$3) near3 (high\$3 or great\$3 or increas\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 14:10 |
| S11 | 6 | S7 and S10 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 14:43 |
| S16 | 1170 | S5 and (water and (ice or icing or ice-buil\$7)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 17:26 |

| | | | | | | |
|-----|-------|--|---|----|-----|------------------|
| S17 | 174 | S16 and (water or (ice or icing or ice-buil\$7)).ti,ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 15:39 |
| S18 | 44 | S17 and (water same (ice or icing or ice-buil\$7)).ti,ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 15:39 |
| S19 | 356 | (sens\$4 or detect\$4 or monito\$4) near10 (ice or icing) and S5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:02 |
| S20 | 4665 | (acoustic\$3 or sonic\$4 or sound\$1) near15 (torsion\$4 or shear\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:19 |
| S21 | 6 | S19 and S20 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:04 |
| S22 | 37 | ("4461178").URPN. | USPAT | OR | OFF | 2005/01/12 16:19 |
| S23 | 99826 | (acoustic\$3 or sonic\$4 or sound\$1 or ultras\$5) same (torsion\$4 or shear\$4 or flex\$6 or compress\$7) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:25 |
| S24 | 20 | S22 and S23 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:21 |
| S25 | 1 | (torsion\$4 and shear\$4 and flex\$6 and compress\$7) and S24 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:23 |
| S26 | 0 | S25 and (ice\$1 or icing\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:24 |
| S27 | 23 | ("5159838").URPN. | USPAT | OR | OFF | 2005/01/12 16:24 |

| | | | | | | |
|-----|--------|--|---|----|-----|------------------|
| S28 | 1 | S27 and (ice\$1 or icing\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:24 |
| S29 | 1 | S28 and (torsion\$4 or shear\$4 or flex\$6 or compress\$7) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:37 |
| S30 | 5026 | (ice or icing) and (torsion\$4 and (shear\$4 or flex\$6 or compress\$7)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:38 |
| S31 | 648 | (acoustic\$3 or sonic\$4 or sound\$1 or ultraso\$) and S30 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:38 |
| S32 | 168148 | (sens\$4 or detect\$4 or monito\$ or ice or icing) near25 (sonic\$4 or sound\$1 or ultraso\$5 or acoustic\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:40 |
| S33 | 76 | S31 and S32 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:40 |
| S34 | 38 | (sens\$4 or detect\$4 or monito\$ or ice or icing) near25 (sonic\$4 or sound\$1 or ultraso\$5 or acoustic\$4) near25 (torsion\$4 and (shear\$4 or flex\$6 or compress\$7)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:42 |
| S35 | 1 | S33 and S34 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:43 |
| S36 | 37 | S32 and S34 not S35 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:48 |
| S37 | 0 | S36 and (ice\$1 or icing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 16:49 |

| | | | | | | |
|-----|----|---|---|----|-----|------------------|
| S38 | 76 | S33 and (ice\$1 or icing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 17:06 |
| S39 | 22 | (lee near3 benjamin).xa,xp. and (ice\$1 or icing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/01/12 17:07 |